



# GRAYCARY

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December 29, 2003

ATTORNEY DOCKET NO.: INTEL1120(P15611)



**ATTN: Mail Stop PATENT APPLICATION**  
COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is a new **original** patent application of:

APPLICANT(S): Mineo Yamakawa and John Heck

TITLE: MICROFLUID MOLECULAR-FLOW FRACTIONATOR AND  
BIOREACTOR WITH INTEGRATED ACTIVE/PASSIVE DIFFUSION  
BARRIER

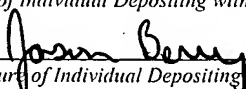
Enclosed are the following papers, including all those required to receive a filing date under  
37 CFR § 1.53(b):

	<u>Number of Pages</u>
Specification	15
Claims	7
Abstract	1
Drawing(s) – [informal]	12

EXPRESS MAIL Number: EV 318740685 US  
Date of Deposit: December 29, 2003

I hereby certify that this paper is being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Attn: Mail Stop PATENT APPLICATION, COMMISSIONER FOR PATENTS, P. O. BOX 1450, Alexandria, VA 22313-1450.

Jason Berry  
(Name of Individual Depositing with P.O.)

  
(Signature of Individual Depositing with P.O.)

SILICON VALLEY SAN DIEGO SAN FRANCISCO AUSTIN SEATTLE SACRAMENTO LA JOLLA WASHINGTON, DC

INTELCORPORATION  
Gray Cary\GT\6380170.1  
1090132-5

**GRAY CARY WARE & FREIDENRICH LLP**

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Enclosure(s):

- Initial Information Data Sheet (2 pages);
- Declaration (6 pages);
- Check No. 550507 in the amount of \$1468.00; and
- Return Receipt Postcard.

Applicant(s) claim **LARGE ENTITY status** in the above-identified application.

The filing fee is calculated as follows:

	Number Filed		Number Extra		Rate			Fee	
					Large Entity	Small Entity		Large Entity	Small Entity
Total Claims	54-20	=	34	X	\$18	\$09	=	\$612.00	\$
Independent Claims	4-3	=	1	X	\$86	\$43	=	\$86.00	\$
Multiple Dependent Claims Presented: ___ Yes <u>X</u> No					\$	\$		\$	\$
					BASIC FEE			\$770.00	\$385.00
					TOTAL FEE			\$1468.00	\$

Check No. 550507 is enclosed as payment of the **FILING FEE**. The Commissioner is hereby authorized to apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above. A copy of this Transmittal Sheet is enclosed.

SILICON VALLEY SAN DIEGO SAN FRANCISCO AUSTIN SEATTLE SACRAMENTO LA JOLLA WASHINGTON, DC

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If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

All future correspondence should be addressed to:

**Lisa A. Haile, J.D., Ph.D.**

**GRAY CARY WARE & FREIDENRICH LLP**

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**USPTO Customer Number 28213**

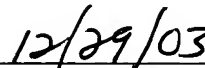
Respectfully submitted,

**GRAY CARY WARE & FREIDENRICH LLP**



Lisa A. Haile, J.D., Ph.D.

Registration No. 38,347



Date

LAH/MRS:rmw

Enclosure(s)